Claims

1. A system for transforming data of a first data structure to a different second data structure compatible with an executable application, comprising:

a pre-processor for acquiring data elements from a first data structure and collating said acquired data elements into a source file having a source data format;

a processor for mapping data elements in said source file having said source data format into an output file having a different second data format in response to a selected one of a plurality of predetermined control data files determining a corresponding plurality of different second data formats; and

an output processor for storing said output file for use by said application.

2. The system according to claim 1, wherein

said selected predetermined control data file

does at least one of, (a) determine a row column structure for said output file second data format, b) identify particular data elements to be mapped from said source file to said output file, (c) identify source file and corresponding output file locations of particular data elements to be mapped from said source file to said output file, and (d) identify a row column structure for said source file data format.

3. The system according to claim 1, wherein

said pre-processor acquires a control data element from said first data structure and provides said control data element to said selected predetermined control data file.

4. The system according to claim 1, wherein

said pre-processor parses data elements of said first data structure to include some elements in said source file and to exclude other elements from said source file in response to user entered data element selection information.

5. The system, according to claim 1, wherein

said selected control data file comprises one of, (a) user entered information for directing said mapping of data elements in said source file to said output file, and (b) pre-stored information for directing said mapping of data elements in said source file to said output file.

6. The system according to claim 5, wherein

said mapping processor acquires said user entered information in response to prompting user data entry.

7. The system according to claim 1, wherein

said plurality of predetermined control data files represent a plurality of predetermined mapping templates and

an individual control data file identifies data elements to be mapped as well as said source data format and said output file second data format.

8. The system according to claim 1, wherein

said output file second data format comprises at least one of, (a) a comma separated file

(CSF) or Flat file format, (b) a data field size aligned file format and (c) a packed data file format.

9. The system according to claim 1 further comprising a processor for cross mapping wherein said processor reads each record said mapped data elements and coverts each necessary data element from said first data format into said second data format before outputting said second data format file to said output processor.

10. The system according to claim 9 wherein before outputting said second data format file said cross mapping processor identifies errors in said necessary data elements and reports errors instead of outputting to said output processor.

11. A method for transforming data of a first data structure to a different second data structure compatible with an executable application, the steps comprising:

acquiring data elements from a first data structure and collating said acquired data elements into a source file having a source data format by a pre-processor;

mapping data elements in said source file having said source data format into an output file having a different second data format in response to a selected one of a plurality of predetermined control data files determining a corresponding plurality of different second data formats by a processor; and

storing said output file for use by said application by an output processor.

12. The method according to claim 11, wherein said selected predetermined control data file does at least one of, (a) determine a row column structure for said output file second data format, b) identify particular data elements to be mapped from said source file to said output file, (c) identify source file and corresponding output file locations of particular data elements to be mapped from said source file to said output file, and (d) identify a row column structure for said source file data format.

13. The method according to claim 11, wherein said pre-processor acquires a control data element from said first data structure and provides said control data element to said selected predetermined control data file.

14. The method according to claim 11, wherein said pre-processor parses data elements of said first data structure to include some elements in said source file and to exclude other elements from said source file in response to user entered data element selection information.

15. The method, according to claim 11, wherein said selected control data file comprises one of, (a) user entered information for directing said mapping of data elements in said source file to said output file, and (b) pre-stored information for directing said mapping of data elements in said source file to said output file.

16. The method according to claim 15, wherein said mapping processor acquires said user entered information in response to prompting user data entry.

17. The method according to claim 11, wherein said plurality of predetermined control data files represent a plurality of predetermined mapping templates and an individual control data file identifies data elements to be mapped as well as said source data format and said output file second data format.

18. The method according to claim 11, wherein said output file second data format comprises at least one of, (a) a comma separated file (CSF) or Flat file format, (b) a data field size aligned file format and (c) a packed data file format.

19. The method according to claim 11 further comprising the step of cross mapping by means of a processor which reads each record said mapped data elements and coverts each necessary data element from said first data format into said second data format before outputting said second data format file to said output processor.

20. The method according to claim 19 wherein before outputting said second data format file said cross mapping processor identifies any errors in said necessary data elements and reports errors instead of outputting to said output processor.